

**CONFIDENTIAL**

NPIC/TDS/D/6-1687  
21 November 1966

MEMORANDUM FOR: Chief, Procurement Division, OL

ATTENTION :

SUBJECT : Change in Scope on [ ] with the  
[ ] for the Aspheric Lens  
Study at no additional costs.

1. [ ]

has been in effect since 10 June 1963. Its originally stated objective was an investigation of techniques for aspherizing optical surfaces and an evaluation of aspheric optical projection systems. Additionally, the general consulting services of Dr. [ ] (at that time) and the contract's principal investigator, were purchased. The original period of performance was until 30 June 1965 at a cost of approximately [ ]. Since that time, the period of performance has been extended to 31 March 1967, and additional funding of approximately [ ] has been granted. At present, an estimated [ ] remains unused under the contract.

2. In recent weeks, [ ] aspherics work has been severely hindered by numerous computer problems allied with his automatic lens design programs. His frustration has been steadily mounting and culminated in an explanatory meeting, held in NPIC/TDS on 6 September 1966. Those in attendance besides Dr.

[ ] Two major points were brought out during the discussion: (a) that until [ ] can gain access to an appropriately large and flexible enough computer and program, little further productivity under our contract is likely; and (b) that strong preliminary indications are that aspheric elements, although of great value in large optical systems, exhibit little promise of improving small lens systems such as those involved in NPIC projection applications.

NGA Review Complete

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3. In view of the above factors, it is requested that:

a. Further work on the design and analysis of aspheric optical elements be discontinued by Dr.

[ ] for the duration of this contract;

b. The contract itself remain in effect through its planned expiration date of 31 March 1967 to provide for TDS personnel [ ] general consulting services in the field of geometrical optics;

c. [ ] be directed to submit as soon as possible a final report on the aspherics portion of the contract, relating both its successes and failures and an outlook for the future value of such work to NPIC.

[ ]  
Colonel, USAF

Assistant for Technical Development, NPIC

Distribution:

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